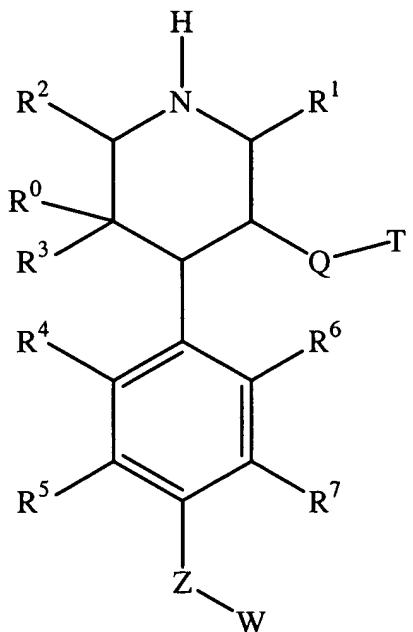


CLAIMS

What is claimed is:

1. A compound of Formula I



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or a pharmaceutically acceptable salt thereof, wherein

R^1 and R^2 are independently hydrogen or unsubstituted C_1 - C_3 alkyl;

R^3 is hydrogen, oxo, or thioxo;

R^0 is hydrogen or unsubstituted C_1 - C_3 alkyl provided that when R^3 is oxo or thioxo R^0 is absent;

R^4 , R^5 , R^6 , and R^7 are independently hydrogen, halogen, carboxyl, substituted or unsubstituted C_1 - C_3 alkoxy, or substituted or unsubstituted C_1 - C_3 alkyl;

Q is $-NR^8-(CH_2)_{0-6}-$, $-NR^9-C(O)-(CH_2)_{0-6}-$, wherein 1 to 3 nonadjacent methylene units are replaced with O, NR^{10} , S or a combination thereof;

T is substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, or substituted or unsubstituted C_1 - C_{12} alkyl;

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W is absent, substituted or unsubstituted aryl, or substituted or unsubstituted heteroaryl;

Z is $-(CH_2)_{0-6}-$ cycloalkylene- $(CH_2)_{0-6}-$ wherein 0 to 6 nonadjacent methylene units are replaced with O, NR¹², S or a combination thereof,

5 $-(CH_2)_{0-6}-$ heterocycloalkylene- $(CH_2)_{0-6}-$ wherein 0 to 6 nonadjacent methylene units are replaced with O, NR¹², S or a combination thereof,

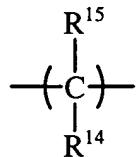
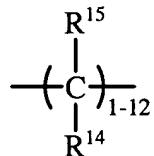
$-(CH_2)_{0-6}-$ arylene- $(CH_2)_{0-6}-$ wherein 0 to 6 nonadjacent methylene units are replaced with O, NR¹², S or a combination thereof,

10 $-(CH_2)_{0-6}-$ heteroarylene- $(CH_2)_{0-6}-$ wherein 0 to 6 nonadjacent methylene units are replaced with O, NR¹², S or a combination thereof,

$-(CH_2)_{0-6}-C(O)-NR^{11}-$ $(CH_2)_{0-6}-$ wherein 0 to 6 nonadjacent methylene units are replaced with O, NR¹², S or a combination thereof,

$-(CH_2)_{0-6}-NR^{11}-C(O)-$ $(CH_2)_{0-6}-$ wherein 0 to 6 nonadjacent methylene units are replaced with O, NR¹², S or a combination thereof,

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wherein 1 to 6 nonadjacent units are replaced with O, NR¹², S or a combination thereof, or

20 Z, when W is absent, is hydroxyl, substituted or unsubstituted C₁-C₁₂ alkyl wherein 1 to 6 nonadjacent methylene units are replaced with O, NR¹⁶, S or a combination thereof, or $-(CH_2)_{0-6}-C(O)-NR^{16}-$ $(CH_2)_{0-5}-$ CH₃ wherein 0 to 6 nonadjacent methylene units are replaced with O, NR¹⁶, S or a combination thereof;

R⁸, R⁹ and R¹⁰ are independently hydrogen or substituted or unsubstituted C₁-C₃ alkyl;

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R^{11} and R^{12} are independently substituted or unsubstituted C_1 - C_3 alkyl; and
5 R^{14} and R^{15} are independently hydrogen, substituted or unsubstituted C_1 - C_3 alkoxy, substituted or unsubstituted C_1 - C_3 alkyl, unsubstituted C_1 - C_{12} alkyl wherein 1 to 6 nonadjacent methylene units are replaced with O, or R^{14} and R^{15} together with the carbon to which they are attached form a 3- to 6-membered cycloalkylene or heterocycloalkylene ring; and

R^{16} is substituted or unsubstituted C_1 - C_3 alkyl or hydrogen.

10 2. A compound of claim 1, wherein R^1 and R^2 , are hydrogen and R^3 is oxo.

3. A compound of claim 1, wherein R^4 , R^5 , R^6 , and R^7 are independently hydrogen, halogen, carboxyl, C_1 - C_3 alkoxy, or C_1 - C_3 alkyl.

15 4. A compound of claim 3, wherein R^4 , R^5 , R^6 , and R^7 are independently hydrogen, chlorine, fluorine, carboxyl, methoxy or methyl.

5. A compound of claim 1, wherein R^4 , R^6 , and R^7 are hydrogen and R^5 is chlorine, fluorine, carboxyl, methoxy or methyl.

20 6. A compound of claim 1, wherein Q is $-NR^8-(CH_2)_{0-6}-$, or $-NR^9-C(O)-(CH_2)_{0-6}-$ wherein R^8 and R^9 are independently unsubstituted C_1 - C_3 alkyl.

7. A compound of claim 6, wherein Q is $-NH-(CH_2)_{0-6}-$, or $-NH-C(O)-(CH_2)_{0-6}-$

25 8. A compound of claim 7, wherein Q is $-NH-CH_2-$, $-NH-CH_2-CH_2-$, $-NH-CH_2-CH_2-O-CH_2-$, or $-NH-CH_2-CH_2-O-$.

9. A compound of claim 1, wherein T is unsubstituted aryl.

10. A compound of claim 1, wherein T is unsubstituted phenyl, naphthyl, biphenyl, 1,2,3,4-tetrahydroquinolinyl, 1,2,3,4-tetrahydro-naphthyl, 1,2,3,4-tetrahydroisoquinolinyl, 1,2,3,4-tetrahydroquinoxaliny, or 1,2,3,4-tetrahydroindolyl.

5 11. A compound of claim 10, wherein T is 2-naphthyl, biphen-4-yl, 1,2,3,4-tetrahydroquinolin-6-yl, or 1,2,3,4-tetrahydroquinolin-7-yl.

12. A compound of claim 1, wherein T is substituted aryl

10 13. A compound of claim 12, wherein T is substituted phenyl, naphthyl, biphenyl, 1,2,3,4-tetrahydroquinolinyl, 2-oxo-1,2,3,4-tetrahydroquinolinyl, 1,2,3,4-tetrahydro-naphthyl, 1,2,3,4-tetrahydroisoquinolinyl, 1,2,3,4-tetrahydroquinoxaliny, 1,2,3,4-tetrahydroindolyl, 2,3-dihydroindolyl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazinyl, or 3,4-dihydro-2H-benzo[1,4]oxazinyl.

15 14. A compound of claim 12, wherein T is phenyl substituted from 1 to 5 times with C₁-C₆ alkyl, halo, C₁-C₆ alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR¹⁶, S or a combination thereof, (C₁-C₆ alkyl)-C(O)-O-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-O-C(O)-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-C(O)-N(R¹⁶)-, (C₁-C₆ alkyl)-NR¹⁶-C(O)-(C₁-C₆ alkyl)₀₋₁₋, trifluoromethyl, (C₁-C₆ alkyl)-C(O)-NR¹⁶-(C₁-C₆ alkyl)₀₋₁₋, HO-C(O)-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-C(O)-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-S(O)₂-NR¹⁶-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-NR¹⁶-S(O)₂-(C₁-C₆ alkyl)₀₋₁₋, or HO-(C₁-C₆ alkyl), wherein each R¹⁶ is independently H or C₁-C₆ alkyl or a combination thereof.

25 15. A compound of claim 14, wherein T is 2-trifluoromethylphenyl, 3-trifluoromethylphenyl, 4-trifluoromethylphenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 3,4-dichlorophenyl, 3,5-dichlorophenyl, 2-fluorophenyl, 3-fluorophenyl, 4-fluorophenyl, 3,4-difluorophenyl, 3,5-difluorophenyl, 2-methoxyphenyl, 3-methoxyphenyl, 4-methoxyphenyl, 3,4-dimethoxyphenyl, 3,5-

dimethoxyphenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2-chloro-4-fluorophenyl, 4-fluoro-2-trifluoromethylphenyl, 2-(2-acetoxy-ethyl)-phenyl, 3-(2-acetoxy-ethyl)-phenyl, 4-(2-acetoxy-ethyl)-phenyl, N,N-dimethyl-benzamide-4-yl, or 4-acetylaminophenyl.

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16. A compound of claim 1, wherein T is biphenyl substituted from 1 to 9 times with C₁-C₆ alkyl, halo, C₁-C₆ alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR¹⁶, S or a combination thereof, (C₁-C₆ alkyl)-C(O)-O-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-O-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-C(O)-N(R¹⁶)-, (C₁-C₆ alkyl)-NR¹⁶-C(O)-(C₁-C₆ alkyl)₀₋₁-, trifluoromethyl, (C₁-C₆ alkyl)-C(O)-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-, HO-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-S(O)₂-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-NR¹⁶-S(O)₂-(C₁-C₆ alkyl)₀₋₁-, or HO-(C₁-C₆ alkyl), wherein each R¹⁶ is independently H or C₁-C₆ alkyl or a combination thereof.

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17. A compound of claim 1, wherein T is naphthyl, 1,2,3,4-tetrahydroquinolinyl, 2-oxo-1,2,3,4-tetrahydroquinolinyl, 1,2,3,4-tetrahydronaphthyl, 1,2,3,4-tetrahydroisoquinolinyl, 1,2,3,4-tetrahydroquinoxalanyl, 3,4-dihydro-2H-benzo[1,4]oxazinyl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazinyl, 2,3-dihydroindolyl, or 1,2,3,4-tetrahydroindolyl substituted from 1 to 7 times with, C₁-C₆ alkyl, halo, hydroxy, oxo, C₁-C₆ alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR¹⁶, S or a combination thereof, (C₁-C₆ alkyl)-C(O)-O-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-O-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-C(O)-N(R¹⁶)-, (C₁-C₆ alkyl)-NR¹⁶-C(O)-(C₁-C₆ alkyl)₀₋₁-, trifluoromethyl, (C₁-C₆ alkyl)-C(O)-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-, HO-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-S(O)₂-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-NR¹⁶-S(O)₂-(C₁-C₆ alkyl)₀₋₁-, or HO-(C₁-C₆ alkyl), wherein each R¹⁶ is independently H or C₁-C₆ alkyl or a combination thereof.

18. A compound of claim 17, wherein T is 6-methoxy-2-naphthyl, 7-methoxy-2-naphthyl, 6-methyl-2-naphthyl, 6-hydroxy-2-naphthyl, 7-methyl-2-naphthyl, 6-trifluoromethyl-2-naphthyl, 7-trifluoromethyl-2-naphthyl, 6-fluoro-2-naphthyl, 7-fluoro-2-naphthyl, 6-chloro-2-naphthyl, 7-chloro-2-naphthyl, 6-(2-acetoxy-ethyl)-2-naphthyl, 7-(2-acetoxy-ethyl)-2-naphthyl, 1-(3-hydroxypropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-acetyl-3,4-dihydro-2H-quinolin-6-yl, 1-(4-thiazolylmethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-3,4-dihydro-2H-quinolin-7-yl, or 1-(2-acetoxy-ethyl)-3,4-dihydro-2H-quinolin-7-yl.

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10 19. A compound of claim 1, wherein T is unsubstituted naphthyl, unsubstituted 4-trifluoromethylphenyl, unsubstituted 1,2,3,4-tetrahydroquinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-5-indolyl, 1-(2-acetylaminoethyl)-5-indolyl, 1-(3-methoxypropyl)-5-indolyl, 1-acetamidyl-5-indolyl, 1-(2-acetoxyethyl)-5-indolyl, 1-(3-methoxy-3-oxopropyl)-5-indolyl, 1-(2-methoxy-2-oxoethyl)-5-indolyl, 1-(2-ethoxy-2-oxoethyl)-6-indolyl, 1-(2-acetylaminoethyl)-6-indolyl, 1-(3-methoxypropyl)-6-indolyl, 1-acetamidyl-6-indolyl, 1-(2-acetoxyethyl)-6-indolyl, 1-(3-methoxy-3-oxopropyl)-6-indolyl, 1-(2-methoxy-2-oxoethyl)-6-indolyl, 4-(2-ethoxy-2-oxoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(3-methoxypropyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(2-acetylaminoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-acetamidyl-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(2-acetoxyethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(3-methoxy-3-oxopropyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(2-methoxy-2-oxoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 1-(3-hydroxypropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-hydroxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-acetyl-3,4-dihydro-2H-quinolin-6-yl, 1-acetyl-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(4-thiazolylmethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-3,4-dihydro-2H-quinolin-6-yl, 1-acetamidyl-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetylaminoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxy-3-oxopropyl)-3,4-

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20. A compound of claim 1, wherein T is unsubstituted heteroaryl.

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21. A compound of claim 20, wherein T is quinolinyl, indolyl, benzofuryl, isoquinolinyl, pyridyl, pyrimidinyl, pyrazinyl, or quinoxalinyl.

22. A compound of claim 21, wherein T is 2-quinoliny, 6-quinoliny, 7-quinoliny, 6-isoquinoliny, 2-pyridyl, 5-benzofuryl, 2-pyrimidiny, 2-pyraziny, or 2-quinoxaliny.

23. A compound of claim 1, wherein T is substituted heteroaryl.

24. A compound of claim 23, wherein T is substituted quinolinyl, indolyl, benzofuryl, isoquinolinyl, pyridyl, pyrimidinyl, pyrazinyl, or quinoxalinyl.

25. A compound of claim 24, wherein T is quinolinyl, isoquinolinyl or quinoxalinyl substituted from 1 to 7 times with C₁-C₆ alkyl, halo, C₁-C₆ alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR¹⁶, S or a combination thereof, (C₁-C₆ alkyl)-C(O)-O-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-O-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-C(O)-N(R¹⁶)-, (C₁-C₆ alkyl)-NR¹⁶-C(O)-(C₁-C₆ alkyl)₀₋₁-, trifluoromethyl, (C₁-C₆ alkyl)-C(O)-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-, HO-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-S(O)₂-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-NR¹⁶-S(O)₂-(C₁-C₆ alkyl)₀₋₁-, or HO-(C₁-C₆ alkyl), wherein each R¹⁶ is independently H or C₁-C₆ alkyl or a combination thereof.

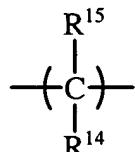
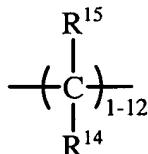
26. A compound of claim 24, wherein T is pyridyl, indolyl, pyrimidinyl, or pyrazinyl, substituted from 1 to 5 times with C₁-C₆ alkyl, halo, C₁-C₆ alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR¹⁶, S or a combination thereof, (C₁-C₆ alkyl)-C(O)-O-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-O-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-C(O)-N(R¹⁶)-, (C₁-C₆ alkyl)-NR¹⁶-C(O)-(C₁-C₆ alkyl)₀₋₁-, trifluoromethyl, (C₁-C₆ alkyl)-C(O)-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-, HO-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-S(O)₂-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-NR¹⁶-S(O)₂-(C₁-C₆ alkyl)₀₋₁-, or HO-(C₁-C₆ alkyl), wherein each R¹⁶ is independently H or C₁-C₆ alkyl or a combination thereof.

27. A compound of claim 1, wherein T is N-substituted 1,2,3,4-tetrahydroquinolin-7-yl, N-substituted 1,2,3,4-tetrahydroquinolin-6-yl, N-substituted 2-oxo-1,2,3,4-tetrahydroquinolin-7-yl, N-substituted 2-oxo-1,2,3,4-tetrahydroquinolin-6-yl, N-substituted 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, N-substituted 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-7-yl, N-substituted 2-oxo-4a,8a-dihydro-2H-chromen-7-yl, N-substituted 2,3-dihydroindol-6-yl, N-substituted

2-oxo-2,3-dihydroindol-6-yl, N-substituted 2,3-dihydroindol-5-yl, N-substituted 2-oxo-2,3-dihydroindol-5-yl, N-substituted 6-indolyl or N-substituted 5-indolyl.

28. A compound of claim 27, wherein the N-substituent is C₁-C₆ alkyl, C₁-C₆ alkyl
5 wherein 1 to 3 nonadjacent carbons are replaced with O, NR¹⁶, S or a combination
thereof, (C₁-C₆ alkyl)-C(O)-O-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-O-C(O)-(C₁-C₆ alkyl)₀₋₁-,
(C₁-C₆ alkyl)-C(O)-N(R¹⁶)-, (C₁-C₆ alkyl)-NR¹⁶-C(O)-(C₁-C₆ alkyl)₀₋₁-,
trifluoromethyl, (C₁-C₆ alkyl)-C(O)-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-, HO-C(O)-(C₁-C₆ alkyl)₀₋₁-,
10 (C₁-C₆ alkyl)-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-S(O)₂-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-,
(C₁-C₆ alkyl)-NR¹⁶-S(O)₂-(C₁-C₆ alkyl)₀₋₁-, or HO-(C₁-C₆ alkyl), wherein each R¹⁶ is
independently H or C₁-C₆ alkyl.

15 29. A compound of claim 1, wherein Z is



wherein 1 to 6 nonadjacent units are replaced with O.

20 30. A compound of claim 1, wherein R¹⁴ and R¹⁵ are hydrogen.

31. A compound of claim 1, wherein Z is

-(CH₂)₀₋₆-C(O)-NR¹¹-(CH₂)₀₋₆- wherein 0 to 6 nonadjacent methylene units are
replaced with O, NR¹², S or a combination thereof; or

$-(\text{CH}_2)_{0-6}-\text{NR}^{11}-(\text{C}(\text{O})-\text{CH}_2)_{0-6}-$ wherein 0 to 6 nonadjacent methylene units are replaced with O, NR¹², S or a combination thereof; and R¹¹ and R¹² are as defined in claim 1.

5 32. A compound of claim 29, wherein Z is $-\text{O}-(\text{CH}_2)_{2-3}-\text{O}-(\text{CH}_2)_{1-2}-$, $-\text{O}-(\text{CH}_2)_{3-4}-\text{O}-$, $\text{O}-(\text{CH}_2)_{1-2}-$, $-(\text{CH}_2)-\text{O}-(\text{CH}_2)_{2-3}-\text{O}-(\text{CH}_2)_{0-1}-$, $-\text{C}(\text{O})-\text{NR}^{11}-(\text{CH}_2)_2-$, $-\text{C}(\text{O})-\text{NR}^{11}-(\text{CH}_2)_2-\text{O}-$, or $-\text{O}-(\text{CH}_2)_3-\text{S}-(\text{CH}_2)_1-$; and R¹¹ is as defined in claim 1.

10 33. A compound of claim 1, wherein when W is absent, Z is hydroxyl, C₁-C₁₂ alkyl wherein 1 to 6 nonadjacent methylene units are replaced with O, or $-(\text{CH}_2)_{0-6}-\text{C}(\text{O})-\text{NR}^{16}-(\text{CH}_2)_{0-5}-\text{CH}_3$ wherein 0 to 6 nonadjacent methylene units are replaced with O; and R¹⁶ is as defined in claim 1.

15 34. A compound of claim 1, wherein Z is $-\text{O}-(\text{CH}_2)_3-\text{O}-(\text{CH}_2)-$.

35. A compound of claim 1, wherein W is unsubstituted or substituted phenyl.

20 36. A compound of claim 1, wherein W is 2-trifluoromethylphenyl, 3-trifluoromethylphenyl, 4-trifluoromethylphenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 3,4-dichlorophenyl, 3,5-dichlorophenyl, 2-fluorophenyl, 3-fluorophenyl, 4-fluorophenyl, 3,4-difluorophenyl, 3,5-difluorophenyl, 2-methoxyphenyl, 3-methoxyphenyl, 4-methoxyphenyl, 3,4-dimethoxyphenyl, 3,5-dimethoxyphenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2-chloro-4-fluorophenyl, 4-fluoro-2-trifluoromethylphenyl, 2-(2-acetoxy-ethyl)-phenyl, 3-(2-acetoxy-ethyl)-phenyl, 4-(2-acetoxy-ethyl)-phenyl, N,N-dimethyl-benzamide-4-yl, or 4-acetylaminophenyl.

30 37. A compound of claim 1, wherein W is 2-methoxyphenyl.

38. A compound of claim 1, wherein W is unsubstituted or substituted heteroaryl

39. A compound of claim 38, wherein W is unsubstituted indolyl.

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40. A compound of claim 39, wherein W is 1H-Indol-3-yl.

41. A compound of claim 1, wherein Z is $-\text{O}-(\text{CH}_2)_3-\text{O}-\text{CH}_2-$, and W is 2-methoxyphenyl.

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42. A compound of claim 1, wherein Q is $-\text{NH}-\text{CH}_2-$ or $-\text{NR}^8-\text{CH}_2-$; T is unsubstituted naphthyl, unsubstituted 4-trifluoromethylphenyl, unsubstituted 1,2,3,4-tetrahydroquinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-5-indolyl, 1-(2-acetylaminoethyl)-5-indolyl, 1-(3-methoxypropyl)-5-indolyl, 1-acetamidyl-5-indolyl, 1-(2-acetoxyethyl)-5-indolyl, 1-(3-methoxy-3-oxopropyl)-5-indolyl, 1-(2-methoxy-2-oxoethyl)-5-indolyl, 1-(2-ethoxy-2-oxoethyl)-6-indolyl, 1-(2-acetylaminoethyl)-6-indolyl, 1-(3-methoxypropyl)-6-indolyl, 1-acetamidyl-6-indolyl, 1-(2-acetoxyethyl)-6-indolyl, 1-(3-methoxy-3-oxopropyl)-6-indolyl, 1-(2-methoxy-2-oxoethyl)-6-indolyl, 4-(2-ethoxy-2-oxoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(3-methoxypropyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(2-acetylaminoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-acetamidyl-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(3-methoxy-3-oxopropyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(2-methoxy-2-oxoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 1-(3-hydroxypropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-hydroxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-acetyl-3,4-dihydro-2H-quinolin-6-yl, 1-acetyl-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(4-thiazolylmethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-3,4-dihydro-2H-quinolin-6-yl, 1-acetamidyl-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-

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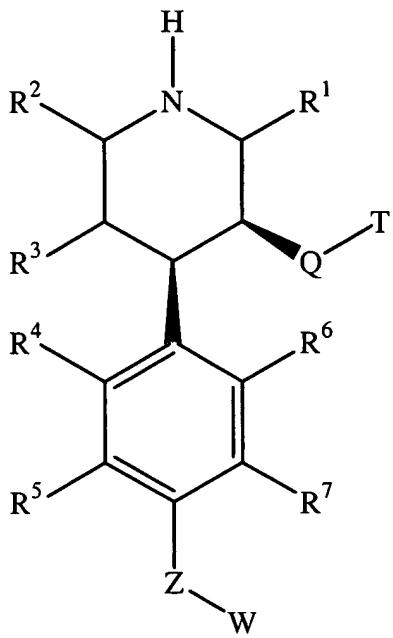
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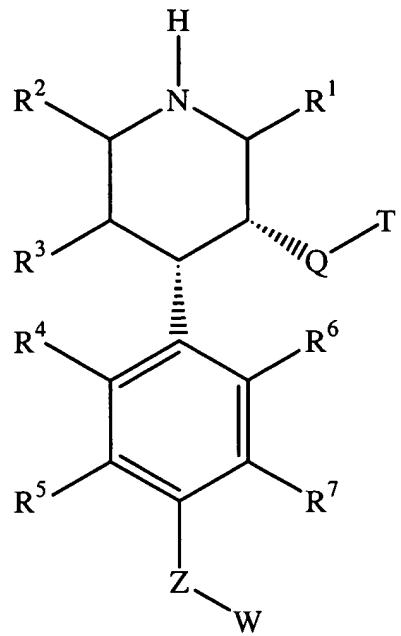
acetylaminoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxy-3-oxopropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxypropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-methoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetylaminoethyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxy-3-oxopropyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxypropyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(2-methoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(2-ethoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-6-yl, 2-oxo-1,2,3,4-tetrahydro-2H-quinolin-7-yl, 2-oxo-1,2,3,4-tetrahydro-2H-quinolin-6-yl, 1-(2-acetylaminoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxy-3-oxopropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-methoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetylaminoethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxy-3-oxopropyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-methoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-ethoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetoxyethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetoxyethyl)-3,4-dihydro-2H-quinolin-6-yl or 1-(2-acetoxyethyl)-3,4-dihydro-2H-quinolin-7-yl ; and R⁸ is C₁-C₃ alkyl.

20

43. A compound of claim 1 having the formula II or III



II



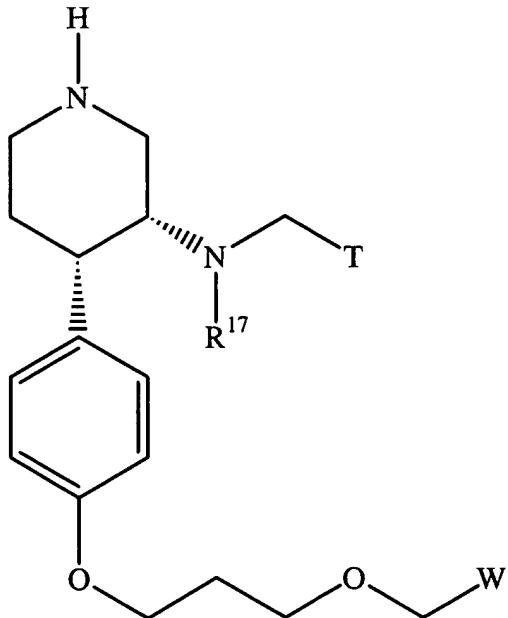
III

or a pharmaceutically acceptable salt thereof, wherein

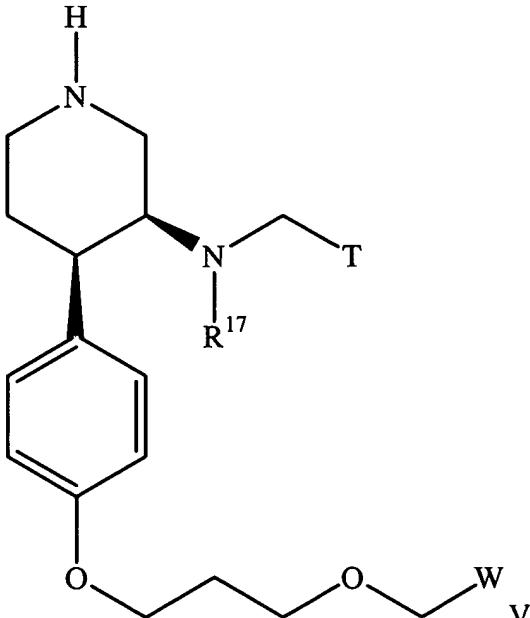
$R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12}, R^{14}, R^{15}, R^{16}, Q, T, Z$, and W

5 are as defined above in claim 1.

44. A compound of Formula IV or V



IV



V

or a pharmaceutically acceptable salt thereof, wherein

T is substituted or unsubstituted aryl, or substituted or unsubstituted heteroaryl;

W is substituted or unsubstituted aryl, or substituted or unsubstituted

5 heteroaryl; and

R¹⁷ is hydrogen or C₁-C₃ alkyl.

45. A compound of claim 44, wherein T is substituted aryl.

10 46. A compound of claim 45, wherein T is substituted phenyl, naphthyl, biphenyl, 1,2,3,4-tetrahydroquinolinyl, 2-oxo-1,2,3,4-tetrahydroquinolinyl, 1,2,3,4-tetrahydro-naphthyl, 1,2,3,4-tetrahydroisoquinolinyl, 1,2,3,4-tetrahydroquinoxaliny, 1,2,3,4-tetrahydroindolyl, 2,3-dihydroindolyl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazinyl, or 3,4-dihydro-2H-benzo[1,4]oxazinyl.

15 47. A compound of claim 44, wherein T is naphthyl, 1,2,3,4-tetrahydroquinolinyl, 2-oxo-1,2,3,4-tetrahydroquinolinyl, 1,2,3,4-tetrahydronaphthyl, 1,2,3,4-tetrahydroisoquinolinyl, 1,2,3,4-tetrahydroquinoxaliny, 3,4-dihydro-2H-benzo[1,4]oxazinyl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazinyl, 2,3-dihydroindolyl, or 1,2,3,4-tetrahydroindolyl substituted from 1 to 7 times with, C₁-C₆ alkyl, halo, hydroxy, oxo, C₁-C₆ alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR¹⁶, S or a combination thereof, (C₁-C₆ alkyl)-C(O)-O-(C₁-C₆ alkyl)₀₋₁, (C₁-C₆ alkyl)-O-C(O)-(C₁-C₆ alkyl)₀₋₁, (C₁-C₆ alkyl)-C(O)-N(R¹⁶)-, (C₁-C₆ alkyl)-NR¹⁶-C(O)-(C₁-C₆ alkyl)₀₋₁, trifluoromethyl, (C₁-C₆ alkyl)-C(O)-NR¹⁶-(C₁-C₆ alkyl)₀₋₁, HO-C(O)-(C₁-C₆ alkyl)₀₋₁, (C₁-C₆ alkyl)-C(O)-(C₁-C₆ alkyl)₀₋₁, (C₁-C₆ alkyl)-S(O)₂-NR¹⁶-(C₁-C₆ alkyl)₀₋₁, (C₁-C₆ alkyl)-NR¹⁶-S(O)₂-(C₁-C₆ alkyl)₀₋₁, or HO-(C₁-C₆ alkyl), wherein each R¹⁶ is independently H or C₁-C₆ alkyl or a combination thereof.

methoxy-2-oxoethyl)- 2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetylaminoethyl)- 2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxy-3-oxopropyl)- 2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxypropyl)- 2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-methoxy-2-oxoethyl)- 2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-ethoxy-2-oxoethyl)- 2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetoxyethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetoxyethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetoxyethyl)-3,4-dihydro-2H-quinolin-6-yl or 1-(2-acetoxyethyl)-3,4-dihydro-2H-quinolin-7-yl.

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10 49. A compound of claim 44, wherein T is quinolinyl, isoquinolinyl or quinoxalinyl substituted from 1 to 7 times with C₁-C₆ alkyl, halo, C₁-C₆ alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR¹⁶, S or a combination thereof, (C₁-C₆ alkyl)-C(O)-O-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-O-C(O)-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-C(O)-N(R¹⁶)-, (C₁-C₆ alkyl)-NR¹⁶-C(O)-(C₁-C₆ alkyl)₀₋₁₋, trifluoromethyl, (C₁-C₆ alkyl)-C(O)-NR¹⁶-(C₁-C₆ alkyl)₀₋₁₋, HO-C(O)-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-C(O)-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-S(O)₂-NR¹⁶-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-NR¹⁶-S(O)₂-(C₁-C₆ alkyl)₀₋₁₋, or HO-(C₁-C₆ alkyl), wherein each R¹⁶ is independently H or C₁-C₆ alkyl or a combination thereof.

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20 50. A compound of claim 44, wherein T is pyridyl, indolyl, pyrimidinyl, or pyrazinyl, substituted from 1 to 5 times with C₁-C₆ alkyl, halo, C₁-C₆ alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR¹⁶, S or a combination thereof, (C₁-C₆ alkyl)-C(O)-O-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-O-C(O)-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-C(O)-N(R¹⁶)-, (C₁-C₆ alkyl)-NR¹⁶-C(O)-(C₁-C₆ alkyl)₀₋₁₋, trifluoromethyl, (C₁-C₆ alkyl)-C(O)-NR¹⁶-(C₁-C₆ alkyl)₀₋₁₋, HO-C(O)-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-C(O)-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-S(O)₂-NR¹⁶-(C₁-C₆ alkyl)₀₋₁₋, (C₁-C₆ alkyl)-NR¹⁶-S(O)₂-(C₁-C₆ alkyl)₀₋₁₋, or HO-(C₁-C₆ alkyl), wherein each R¹⁶ is independently H or C₁-C₆ alkyl or a combination thereof.

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51. A compound of claim 44, wherein T is N-substituted 1,2,3,4-tetrahydroquinolin-7-yl, N-substituted 1,2,3,4-tetrahydroquinolin-6-yl, N-substituted 2-oxo-1,2,3,4-tetrahydroquinolin-7-yl, N-substituted 2-oxo-1,2,3,4-tetrahydroquinolin-6-yl, N-substituted 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 5 N-substituted 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-7-yl, N-substituted 2-oxo-4a,8a-dihydro-2H-chromen-7-yl, N-substituted 2,3-dihydroindol-6-yl, N-substituted 2-oxo-2,3-dihydroindol-6-yl, N-substituted 2,3-dihydroindol-5-yl, N-substituted 2-oxo-2,3-dihydroindol-5-yl, N-substituted 6-indolyl or N-substituted 5-indolyl.

10 52. A compound of claim 51, wherein the N-substituent is C₁-C₆ alkyl, C₁-C₆ alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR¹⁶, S or a combination thereof, (C₁-C₆ alkyl)-C(O)-O-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-O-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-C(O)-N(R¹⁶)-, (C₁-C₆ alkyl)-NR¹⁶-C(O)-(C₁-C₆ alkyl)₀₋₁-, trifluoromethyl, (C₁-C₆ alkyl)-C(O)-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-, HO-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-C(O)-(C₁-C₆ alkyl)₀₋₁-, (C₁-C₆ alkyl)-S(O)₂-NR¹⁶-(C₁-C₆ alkyl)₀₋₁-, 15 (C₁-C₆ alkyl)-NR¹⁶-S(O)₂-(C₁-C₆ alkyl)₀₋₁-, or HO-(C₁-C₆ alkyl), wherein each R¹⁶ is independently H or C₁-C₆ alkyl.

53. A compound of claim 44, wherein W is unsubstituted or substituted phenyl.

20 54. A compound of claim 53, wherein W is 2-trifluoromethylphenyl, 3-trifluoromethylphenyl, 4-trifluoromethylphenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 3,4-dichlorophenyl, 3,5-dichlorophenyl, 2-fluorophenyl, 3-fluorophenyl, 4-fluorophenyl, 3,4-difluorophenyl, 3,5-difluorophenyl, 2-methoxyphenyl, 3-methoxyphenyl, 4-methoxyphenyl, 3,4-dimethoxyphenyl, 3,5-dimethoxyphenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2-chloro-4-fluorophenyl, 4-fluoro-2-trifluoromethylphenyl, 2-(2-acetoxy-ethyl)-phenyl, 3-(2-acetoxy-ethyl)-phenyl, 4-(2-acetoxy-ethyl)-phenyl, N,N-dimethyl-benzamide-4-yl, or 4-acetylaminophenyl.

25 30

55. A compound of claim 44, wherein W is 2-methoxyphenyl.

56. A compound of claim 44, wherein T is unsubstituted naphthyl, unsubstituted 4-trifluoromethylphenyl, unsubstituted 1,2,3,4-tetrahydroquinolin-7-yl, 1-(3-hydroxypropyl)-3,4-dihydro-2H-quinolin-7-yl, or 1-(2-acetoxy-ethyl)-3,4-dihydro-2H-quinolin-7-yl and W is 2-methoxyphenyl.

57. The compound

(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-

10 naphthalen-2-ylmethyl-amine,

(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-(6-methoxy-naphthalen-2-ylmethyl)-amine,

(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-quinolin-7-ylmethyl-amine,

15 (4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-(1,2,3,4-tetrahydro-quinolin-7-ylmethyl)-amine,

(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-methyl-naphthalen-2-ylmethyl-amine,

20 6-[(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-naphthalen-2-ol,

benzofuran-5-ylmethyl-(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-amine,

(1H-indol-5-ylmethyl)-(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-amine;

25 6-[(4-[3-(2-methoxy-benzyloxy)-propoxyl]-phenyl)-piperidin-3-ylamino)-methyl]-naphthalene-1-carboxylic acid methyl ester;

6-[(4-[4-(2-methoxy-benzyloxy)-propoxyl]-phenyl)-piperidin-3-ylamino)-methyl]-naphthalene-1-carboxylic acid;

30 naphthalene-1-carboxylic acid (4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-amide;

6-[(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-naphthalene-2-carboxylic acid methyl ester;

(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-quinolin-7-ylmethyl-amine;

5 6-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-naphthalene-2-carboxylic acid methyl ester;

6-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-naphthalene-2-carboxylic acid;

10 6-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-pyridine-2-carboxylic acid methyl ester;

naphthalene-2-sulfonic acid (4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-amide;

(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-(4-fluoro-3-trifluoromethyl-benzyl)-amine;

15 {3-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-phenoxy}-acetic acid methyl ester;

1-(2-{3-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-phenoxy}-ethyl)-pyrrolidine-2,5-dione;

20 1-(2-{3-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-phenoxy}-ethyl)-pyrrolidine-2-one;

3-[(1-dimethylcarbamoylmethyl-1, 2, 3, 4-tetrahydro-quinoline-7-carbonyl)-amino]-4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidine-1-carboxylic acid tert-butyl ester; or

25 [1-(2-dimethylamino-ethyl)-1, 2 ,3, 4-tetrahydro-quinolin-7-ylmethyl]-(4-{4-[3-(2-methoxybenzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-amine.

58. A pharmaceutical composition comprising a compound of any of claims 1-57, admixed with a pharmaceutically acceptable carrier, diluent, or excipient.

30 59. A method of inhibiting renin in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims 1-57.

60. A method of treating or preventing hypertension in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims 1-57.

5

61. A method of treating or preventing congestive heart failure in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims 1-57.

10

62. A method of treating or preventing stroke in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims 1-57.

15

63. A method of treating or preventing myocardial infarction in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims 1-57.

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64. A method of treating or preventing glaucoma in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims 1-57.

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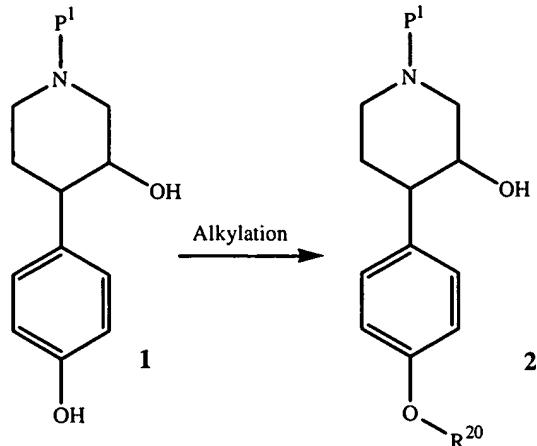
65. A method of providing end organ protection in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims 1-57.

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66. A method of treating or preventing hyperaldosteronism in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims 1-57.

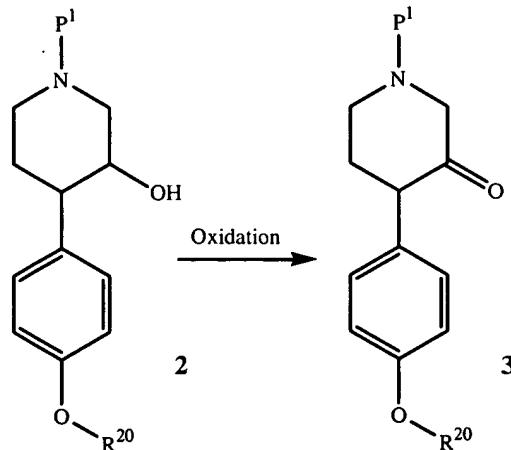
67. A process for preparing a compound of claim I comprising the steps of:

a) alkylation of piperidine **1** to afford the intermediate **2** wherein R^{20} , along with the oxygen to which it is attached, is equivalent to $-Z-W$ as defined in claim 1;

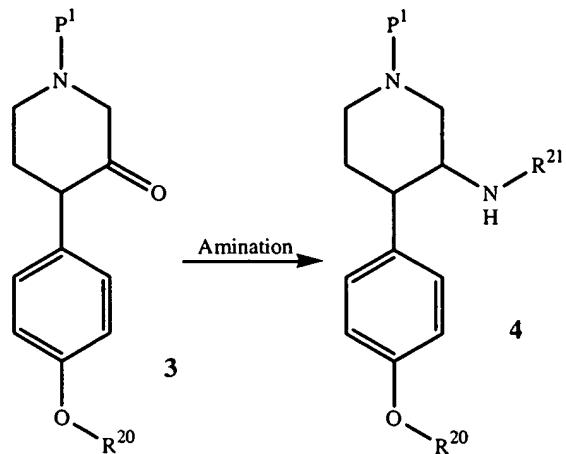


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b) oxidation of **2** to afford the piperidinone intermediate **3**;



c) contacting **3** with a suitable amine to afford the intermediate **4**,
10 wherein R^{21} , along with the nitrogen to which it is attached is equivalent to $-Q-T$ as defined in claim 1;



d) deprotection of 4 to afford 5

